

REMARKS/ARGUMENTS

The Examiner objected to the drawings on the grounds that reference numbers 112 and 116 in FIG. 4 both reference a geographical boundary as described in the text on page 11, lines 8-24. (Office Action, pg. 2) Applicants amended the specification to clarify that the geographic boundary 116 comprises geographic boundary information, whereas geographic boundary 112 shown in FIG. 4 comprises an illustration of a physical geographic boundary. Thus references to geographic boundary 116 in the specification and drawings are now clarified as geographic boundary information, as opposed to the actual physical geographic boundary 112. \

Applicants submit that this amendment to the Specification clarifying the distinction between the geographic boundary 112 and 116 overcomes the objection to the drawings, hence no amendment is needed to the drawings.

1. Claims 18-22, 40-44, and 62-66 are Patentable Over the Cited Art

The Examiner rejected claims 18-22, 40-44, and 62-66 as anticipated (35 U.S.C. §102(e)) by Blants (U.S. Patent No. 6,732,080). Applicants traverse.

Independent claims 18, 40, and 62 concern generating a calendar for a personal information management program, and require: receiving selection of a time interval; for the selected time interval, determining position coordinates of a wireless device and time information indicating a time when the position coordinates were generated, wherein a user is associated with the wireless device; and processing the position coordinates and time information to determine information on locations and associated time periods, wherein for each determined location and associated time period, the user of the wireless device was located at the location for the associated time period; displaying information on the determined locations and time periods where the user of the wireless device was located for the selected time interval.

Applicants amended claim 18, 40, and 62 to correct matters of form.

The Examiner cited block 202 in FIG. 5 and col. 14, lines 34-42 and col. 2, lines 24-30 as disclosing the claim requirement that for the selected time interval, determining position coordinates of a wireless device and time information indicating a time when the position coordinates were generated. (Office Action, pg. 3) Applicants traverse.

The cited block 202 and col. 14 mentions that at the beginning of a process the current or scheduled location and time are derived at starting point 202. Col. 14 further mentions that if the

current position of the mobile terminal is used, the GPS receiver or position detecting function provides location communications that can be stored by at least one calendaring and scheduling software. The cited col. 2 also mentions that that the current location may be used to provide scheduled services or alerts to generate the stored location.

Although the cited Blants mentions that a current position of a mobile terminal may be used to provide scheduled services, nowhere is there any disclosure in these cited sections of the claim requirement of determining position coordinates of a wireless device and time information indicating a time the position coordinates were generated for a selected time interval. The cited col. 14 discusses determining a current location of the user at point 202, but does not disclose determining multiple position coordinates of a wireless device for a selected time interval. Instead, the cited col. 14 discusses determining a current scheduled location, not multiple position coordinates in a time interval as claimed. Further, nowhere does the cited Blants anywhere disclose that the determined position coordinates indicate a time when the position coordinates were generated.

The Examiner cited col. 13, lines 7-16 of Blants as disclosing the claim requirement of processing the position coordinates and time information to determine information on locations. (Office Action, pg. 3) Applicants traverse.

The cited col. 13 discusses displaying event, event time, event location and event type information and the x, y, z position coordinates from the GPS receiver. The displayed position coordinates mentioned in col. 13 and the corresponding FIG. 3 are the position coordinates of the scheduled event for the user of the mobile device. Nowhere does this cited col. 13 anywhere disclose processing multiple position coordinates within a selected time interval indicating the locations of the wireless device. Instead, the cited col. 13 discusses the position coordinates of a scheduled event, not multiple position coordinates of the wireless device within a selected time interval.

The Examiner cited col. 17, lines 27-33 as disclosing the claim requirement of processing the position coordinates to determine the associated time periods. (Office Action, pg. 3) Applicants traverse.

The cited col. 17 mentions that if a theatre event takes place during the time that another scheduled user service occurs, the theater scheduled service is a sub-event. Although the cited col. 17 mentions how time information is provided for scheduled events, nowhere does the cited

col. 17 disclose determining information on associated time periods for position coordinates at which the wireless device was located for the selected time interval. Instead, the cited col. 17 discusses the time of scheduled events, not the associated times a wireless device was at determined position coordinates within a selected time interval.

The Examiner cited col. 16, lines 65-67 and col. 15, lines 34-44 of Blants as disclosing the claim requirement that for each determined location and associated time period, the user of the wireless device was located at the location for the associated time period. (Office Action, pgs. 3-4) Applicants traverse.

The cited col. 16 discusses a list of theaters preferred by the user and mentions that this list can be ranked into an order based upon the theaters the user has visited previously. The cited col. 15 discusses determining when a scheduling conflict does not exist between scheduled locations of the vents in the calendar and a user offering a service to the user at a particular location, which is analogous to determining when the actual position of the mobile terminal causes the software to indicate a scheduling conflict.

The cited col. 16's discussion of a list of theatres does not disclose the claim requirement that for each determined location and associated time period, the user of the wireless device was located at the location for the associated time period. Instead, the cited cols. 15 and 16 discuss determining scheduling conflicts based on the user current position, but does not say anything about the claim requirement that for each determined location and time period, the user of the wireless device was at that location.

Accordingly, Applicants submit that the cited Blants does not disclose all the claim requirements of claims 18, 40, and 62 and thus the rejection should be withdrawn.

Claims 19-22, 41-44, and 63-66 are patentable over the cited art because they depend from one of claims 18, 40, and 62, which are patentable over the cited art for the reasons discussed above. The below discussed dependent claims provide further grounds of distinction over the cited art.

Claims 19, 41, and 63 depend from claims 18, 40, and 62 and further require determining scheduled events for the user within the selected time interval and displaying information on the scheduled events within the time interval adjacent to the displayed information on the determined locations and time periods where the user was located for the selected time interval.

The Examiner cited col. 3, lines 15-24, col. 6, lines 42-67, and col. 12, lines 31-40 of Blants as disclosing the claim requirement of displaying information on the scheduled events within the time interval adjacent to the displayed information on the determined locations and time periods where the user was located for the selected time interval. (Office Action, pg. 4) Applicants traverse.

The cited col. 3 mentions that a calendar at the server transmitted to the mobile terminal contains a number of events each having properties such as location and time and the mobile terminal has a physical location which may be detected. The cited col. 3 does not disclose nor mention displaying information on scheduled events adjacent to information on the determined locations and time periods where the user was located for the selected time interval.

The cited col. 6 mentions displaying a calendar at a mobile terminal, transmitted by a server, including scheduled calendar user services that have associated a scheduled time and location at which the user service is provided to the user. Although the cited col. 6 discusses scheduling user services and displaying scheduled user services in a calendar at a mobile device, nowhere does the cited col. 6 disclose or mention displaying information on scheduled events adjacent to information on the determined locations and time periods where the user was located for the selected time interval. The cited col. 6 mentions displaying information on the time of a scheduled event, but nowhere discloses the claim requirement of displaying information on scheduled events adjacent to information on the determined locations where the user as actually located.

The cited col. 12 mentions storing a current location from the mobile terminal and a GUI to display the calendar of the user. The mobile terminal may have multiple displays for cellular communications and the personal calendar. Although the cited col. 12 discusses displaying personal calendars and cellular communications in different displays, nowhere does the cited col. 12 disclose or mention displaying information on scheduled events adjacent to information on the determined locations and time periods where the user was located for the selected time interval.

The cited col. 13 discusses displaying event, event time, event location and event type information and the x, y, z position coordinates from the GPS receiver. The displayed position coordinates mentioned in col. 13 are the position coordinates of the event on the schedule of the user of the mobile device. Although the cited col. 13 discusses displaying information on a

scheduled event, such as the position coordinates of the scheduled event, see FIG. 3, nowhere does the cited col. 13 disclose or mention displaying information on scheduled events adjacent to information on the determined locations and time periods where the user was located for the selected time interval. Instead, the cited col. 13 and corresponding FIG. 3 discuss displaying information on the scheduled events, not the determined locations where user was located during the scheduled events as claimed.

Accordingly, claims 19, 41, and 63 are patentable over the cited art for the reasons because the additional requirements of these claims are not disclosed in the cited art.

2. Claims 1-17, 23-39, 45-61, and 67-72 are Patentable Over the Cited Art

The Examiner rejected claims 1-17, 23-39, 45-61, and 67-72 as obvious (35 U.S.C. §103(a)) as obvious over Chern (U.S. Pub. No. 2003/0060211) in view of Blants. Applicants traverse for the following reasons.

Claims 1, 23, and 45 concern providing user location information for a personal information management program, and require: generating position coordinates of a wireless device and time information indicating a time when the position coordinates were generated, wherein a user is associated with the wireless device and processing the position coordinates and time information to determine information on locations and associated time periods, wherein for each determined location and associated time period, the user of the wireless device was located at the location for the associated time period.

Applicants amended these claims to add the requirement that at least one location for which information is determined includes multiple generated position coordinates and the associated time period for the location includes the time information generated for the position coordinates included in the determined location. The additional requirements of these claims are disclosed at pg. 12, line 26 to pg. 15, line 11 and FIGs. 5 and 6 of the Specification.

The Examiner cited paragraphs [0087], [0088], [0027], and [0044]-[0046] as disclosing the requirements of the pre-amended limitation of processing the position coordinates and time information to determine information on locations and associated time periods, wherein for each determined location and associated time period, the user of the wireless device was located at the location for the associated time period. (Office Action, pg. 6) Applicants traverse with respect to the amended limitation.

The cited paras. [0087] and [0088] mention that when a position determination device 134 is in a hands free unit, the wireless device may send an information request message to the hands free unit, and the hands free unit sends a location information response message to the handset indicating position parameters, such as time, longitude, latitude, height, etc.

Although the cited paragraphs [0087]-[0088] discuss transmitting location information between a hands free unit and a wireless device, nowhere do these cited paragraphs anywhere disclose processing the position coordinates and time information to determine information on locations and associated time periods, wherein at least one location for which information is determined includes multiple generated position coordinates and the associated time period for the location includes the time information generated for the position coordinates included in the determined location. Nowhere do the cited paragraphs disclose that location for which the information is determined includes multiple generated position coordinates and that the time period associated with the location includes the time information for the multiple position coordinates included in the determined location. Instead, the cited paragraphs [0087] and [0088] just mention transmitting a position location from a hands free unit having a single position coordinate.

The cited paragraphs [0044]-[0046] discusses providing driving directions to a destination address to a handset user. The position of the handset is provided to a server to provide a starting point for the directions, and based on this the server calculates a route to the destination address, which are transmitted back to the handset. The cited paragraphs [0045]-[0046] mention determining types of business or servers near the user's location. The user may specify a filter so that returned selections are within X miles of the user's location. The cited paragraph [0027] mentions similar determinations of information, such as driving directions and nearby businesses and services, with respect to the device location.

Although the cited paragraphs [0044]-[0046] discuss determining a user's single location and providing driving directions or nearby services, nowhere do these cited paragraphs anywhere disclose the claim requirements of processing position coordinates and time information to determine information on locations and associated time periods, wherein at least one location for which information is determined includes multiple generated position coordinates and the associated time period for the location includes the time information generated for the position coordinates included in the determined location. Nowhere do the cited paragraphs disclose that the location for which the information is determined includes multiple generated position

coordinates and that the time period associated with the location includes the time information for the multiple position coordinates included in the determined location. Instead, the cited paragraphs [0044]-[0046] discuss determining a single location and information based on that single handset location. Nowhere do these cited paragraphs disclose or mention determining information on a location including multiple generated position coordinates and having a time period including the time information for the multiple position coordinates.

The Examiner further cited col. 17, lines 27-33 of Blants as teaching that the user wireless device is located at a location for a time period. (Office Action, pg. 6) The cited col. 17 mentions that if a theatre event takes place during a time that another scheduled user service occurs, the theater scheduled user service is a sub event of the trip, and additional information on theaters may be provided. Although the cited col. 17 discusses determining the relation of scheduled events, nowhere does the cited col. 17 anywhere disclose the claim requirements of processing position coordinates and time information to determine information on locations and associated time periods, wherein at least one location for which information is determined includes multiple generated position coordinates and the associated time period for the location includes the time information generated for the position coordinates included in the determined location. Nowhere do the cited paragraphs disclose that location for which the information is determined includes multiple generated position coordinates and that the time period associated with the location includes the time information for the multiple position coordinates included in the determined location. Instead, the cited col. 17 discusses determining related scheduled events occurring during a same time.

Applicants submit that claims 1, 23, and 45 are patentable over the cited combination because the cited combination does not include all the claim requirements.

Claim 67 includes requirements of claims 1, 23, and 45, including the added requirement, written in data structure format. Applicants submit that claim 67 is patentable over the cited art for the reasons discussed with respect to claims 1, 23, and 45.

Claims 2-17, 24-39, 46-61, and 68-72 are patentable over the cited art because they depend from claims 1, 23, 45, and 67, respectively. The following discussed dependent claims provide additional grounds of patentability over the cited art.

Claims 2, 24, and 46 depend from claims 1, 23, and 45 and further require that the position coordinates and time information are generated at the wireless device, transmitting the

generated position coordinates and time information to a server; and storing, with the server, the generated position coordinates and time information in a database, wherein the server processes the position coordinates and time information to determine the locations and associated time periods where the user was present.

The Examiner cited paras. [0047], block 138, FIG. 2, and [0052] of Chern as teaching the claim requirement of storing, with the server, the generated position coordinates and time information in a database. (Office Action, pg. 7) Applicants traverse.

Paragraph [0047] mentions that the user may refine a search of services and restaurants nearby to the user's location. If a user requests a nearby restaurant, the server may prompt the user with questions about parameters, or the prompts can be stored locally, and updated scripts or prompts may be downloaded to the handset. Establishing locations and driving directions may be stored in a database. Paragraph [0052] mentions the scripts or prompts that may be presented to a user to refine an information request.

The cited paragraphs [0047] and [0052] discuss how a user may request information on restaurants or services near their current handset location and that information on nearby establishments and driving directions may be stored in a database. However, nowhere do these cited paragraphs anywhere disclose the claim requirement that the server store generated position coordinates of the device and time information, where the stored information is processed to determine the locations. Instead, the cited paragraphs discuss how information on nearby restaurants or driving directions may be stored in a database, not the device's position coordinates and time information as claimed.

Accordingly, claims 2, 24, and 46 provide additional grounds of patentability over the cited art because the additional requirements of these claims are not taught or suggested in the cited Chern and Blants.

Claims 3, 25, and 47 are patentable over the cited art for the reasons discussed with respect to claims 2, 24, and 46 and the claim requirement that the server store the generated position coordinates and time information in a database.

Claims 4, 26, and 48 depend from claims 1, 23, and 45 and further require: providing a plurality of location boundaries defining multiple location coordinates; for each location boundary, providing a location description including information describing the location boundary; and for each generated position coordinate, determining whether the position

coordinate is included in one of the provided location boundaries, wherein at least one determined location comprises one predefined location boundary including position coordinates, and wherein the information generated on the at least one location includes the location description for the predefined location boundary comprising the location.

The base claims require that at least one location for which information is determined includes multiple generated position coordinates and the associated time period for the location includes the time information generated for the position coordinates included in the determined location. The dependent claims 4, 26, and 28 add the requirement that the information generated on the location, which includes multiple generated position coordinates, includes the location description for a predefined boundary location including the location. The Examiner cited paragraph [0061] as teaching this additional requirement. (Office Action, pgs. 7-8) Applicants traverse.

The cited paragraph [0061] mentions a driving direction service, location monitoring and notification. The user may select one of the listed services via the handset. Nowhere does this cited paragraph [0061] disclose that the information generated on the location, which includes multiple generated position coordinates, include the location description of a predefined boundary. Nowhere does the cited Chern teach or suggest that the information for a location including multiple generated position coordinates of the device includes the location description for a predefined boundary. Instead, the cited paragraph [0061] discusses providing information for a single location of a device, not information for a location including multiple position coordinates.

Accordingly, claims 4, 26, and 48 provide additional grounds of patentability over the cited art because the additional requirements of these claims are not taught or suggested in the cited Chern and Blants.

Claims 5, 27, and 49 depend from claims 4, 26, and 48 and further require wherein at least one location boundary and associated location description is provided by receiving position coordinates from the wireless device defining one location boundary and receiving a location description from the wireless device for the defined location boundary.

The Examiner has not cited any part of Chern or other art that teaches or suggests that location boundary and description information is provided by the wireless device.

Accordingly, claims 5, 27, and 49 provide additional grounds of patentability over the cited art because the additional requirements of these claims are not taught or suggested in the cited Chern and Blants.

Applicants submit that the requirements of additional dependent claims provide further grounds of patentability over the cited art in combination with the base claims and intervening claims.

Conclusion

For all the above reasons, Applicant submits that the pending claims 1-72 are patentable over the art of record. Applicants have not added any claims. Nonetheless, should 40, and 62 any additional fees be required, please charge Deposit Account No. 09-0447.

The attorney of record invites the Examiner to contact him at (310) 553-7977 if the Examiner believes such contact would advance the prosecution of the case.

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